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GAS LUBRICATION OF SLIDING BEARINGS: THEORY AND CALCULATIONS. [1961] [116]p. 12 refs.
Order from OTS or SLA $9.60 61-20917

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DESCRIPTORS: Shafts, *Bearings Separation, *Lubrication, *Gases, Air, Machines, Construction.

There is derived, on the basis of the study of the lubricating characteristics of gases, the equation of spatial flow of a gas lubricant. The problem of the lubrication of bearings of infinite length (that is, the plane problem) is solved. The obtained solutions are extended with the help of certain assumptions to real bearings of finite length. Finally, there is described the method of calculation of gas lubrication of bearings, and its results are verified experimentally. (Author)

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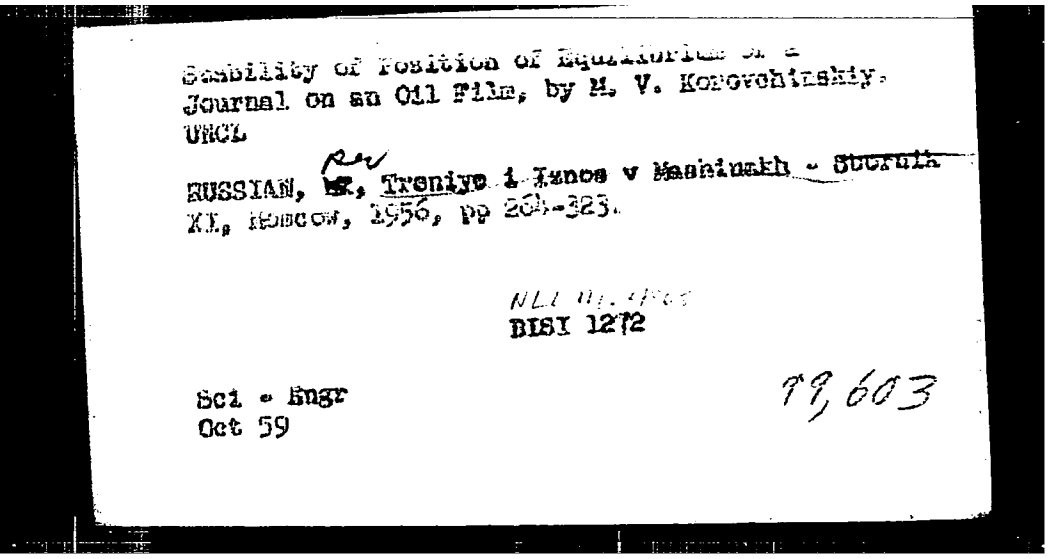

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Order from: The American Society
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345 East 47th Street
New York, N.Y. 10017
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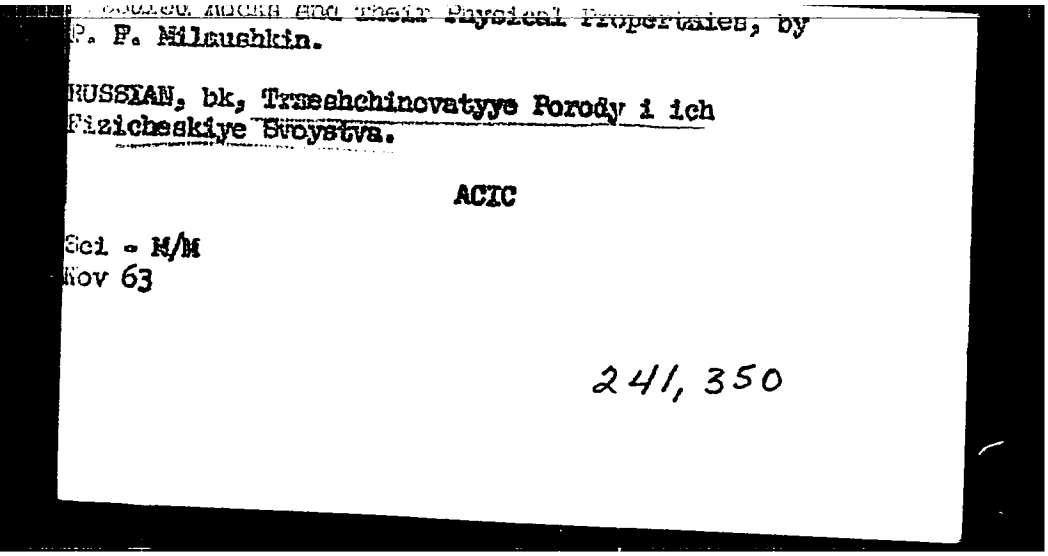

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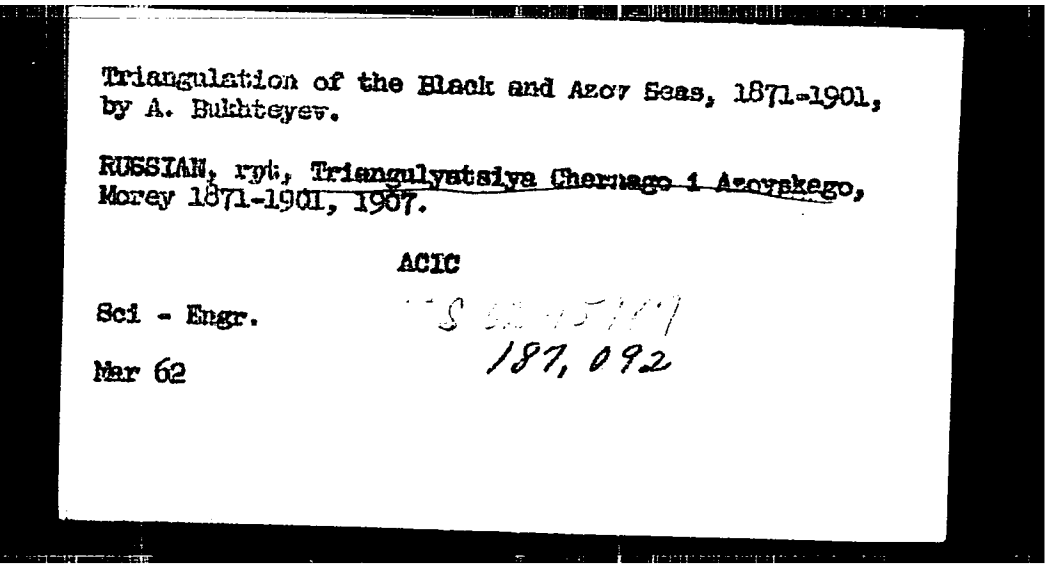

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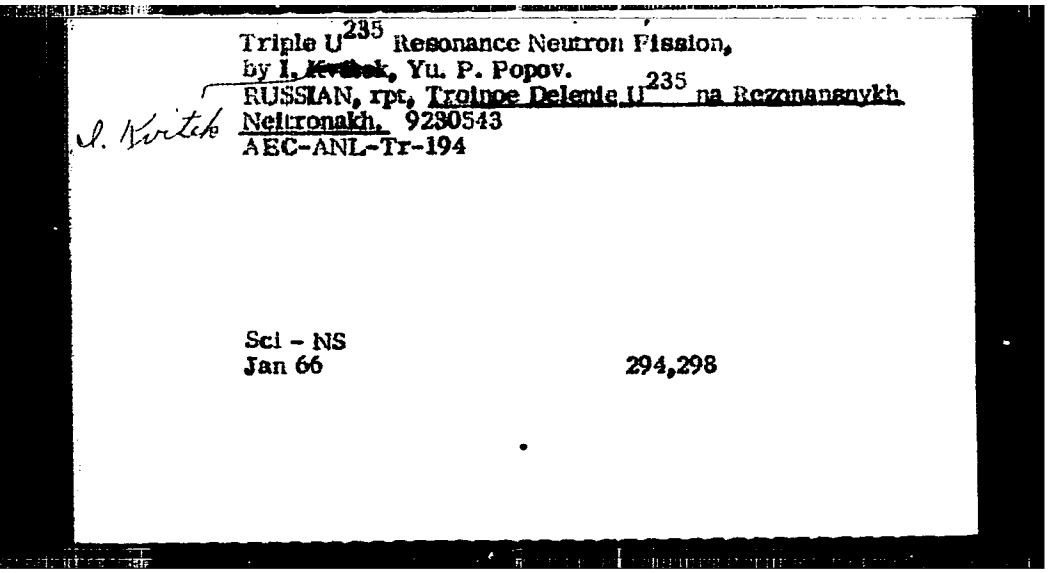

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